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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,750,042 B2
DATED : June 15, 2004
INVENTOR(S) : Summers et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page,

Item [56], **References Cited**, OTHER PUBLICATIONS, insert the following references:

-- "Selifonova, O. et al.," references, "Bioluminescent Sensors for Detection of Bioavailable Hg(II) in the Environment" (Sept. 1993) *Applied and Environmental Microbiology* **59**(9):3083-3090.

"Shewchuk, L.M. et al.," references, "Transcriptional Switching by the MerR Protein: Activation and Repression Mutants Implicate Distinct DNA and Mercury(II) Binding Domains" (1989) *Biochemistry* **28**(5): 2340-2344.

"Shewchuk, L.M. et al.," references, "Transcriptional Switching by the Metalloregulatory MerR Protein: Initial Characterization of DNA and Mercury(II) Binding Activities" (1989) *Biochemistry* **28**(5):2331-2339.

"Steele, R.A., and Opella, S.J.," references, "Structures of the Reduced and Mercury-Bound Forms of MerP, the Periplasmic Protein from the Bacterial Mercury Detoxification System" (1997) *Biochemistry* **36**(23):6885-6895.

"Summers, A.O.," references, "Untwist and Shout: a Heavy Metal-Responsive Transcriptional Regulator" (May 1992) *J. Bacteriol.* **174**(10):3097-3101.

"Utschig, L.M. et al.," references, "Mercury-199 NMR of the Metal Receptor Site in MerR and its Protein-DNA Complex" (April 1995) *Science* **268**:380-385.

"Utschig, L.M. et al.," references, "Biochemical and Spectroscopic Probes of Mercury(II) Coordination Environments in Proteins" (1993) *Methods Enzymol.* **226**:71-97.

"Veglia, G. et al.," references, "The Structure of the Metal-Binding Motif GMTCAAC Is Similar in an 18-Residue Linear Peptide and the Mercury Binding Protein MerP" (March 2000) *J. Am. Chem. Soc.* **122**(10):2389-2390.

"Wright, J.G. et al.," references, "Coordination Chemistry of the Hg-MerR Metalloregulatory Protein: Evidence for a Novel Tridentate Hg-Cysteine Receptor Site" (1990) *J. Am. Chem. Soc.* **112**:2434-2435.

"Zeng, Q. et al.," references, "The Core Metal-Recognition Domain of MerR" (1998) *Biochemistry* **37**(45):15885-15895.

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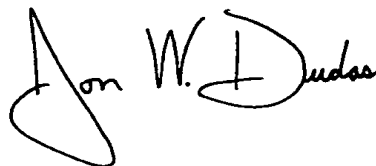
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

OTHER PUBLICATIONS, (cont'd),

"Kulkarni, R.D. and Summers, A.O.," references, "MerR Cross-Links to the α , β , and σ^{70} Subunits of RNA Polymerase in the Preinitiation Complex at the *mer* TPCAD Promoter" (March 1999) *Biochemistry* **38**(11):3362-3368. --

Signed and Sealed this

Twenty-fifth Day of January, 2005



JON W. DUDAS
Director of the United States Patent and Trademark Office